

Form PTO-1449 (Rev. 8-83)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 0756-0864		Serial No. 08/051,313		
<b>INFORMATION DISCLOSURE STATEMENT</b>				Applicant Yasuhiko TAKEMURA				
(Use several sheets if necessary)								
				Filing Date April 23, 1993		Group 2515		
<b>U.S. PATENT DOCUMENTS</b>								
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)	
TD		4,068,020	01/10/78	Reuschel				
		4,103,297	07/25/78	McGreivy et al.				
		4,239,346	12/16/80	Lloyd				
		4,365,013	12/21/82	Ishioka et al.				
		4,378,417	03/29/83	Maruyama et al.				
		4,591,892	05/27/86	Yamazaki				
		4,597,160	07/01/86	Ipri				
		4,680,580	07/14/87	Kawahara				
		4,740,829	04/26/88	Nakagiri et al.				
		4,818,077	04/89	Ohwada et al.				
TD		4,860,069	08/22/89	Yamazaki				
<b>FOREIGN PATENT DOCUMENTS</b>								
		Document Number	Date	Country	Class	Subclass	Translation Yes No	
TD		1-30272	02/01/89	Japan			Abst.	
		2-51129	02/21/90	Japan			Abst.	
		0321073	06/1989	EPO			Abst.	
		1130131	05/1989	Japan			Abst.	
TD		0161555A2	11/21/85	European				
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)								
Examiner <i>Tai Duay</i>					Date Considered <i>09/03/04</i>			
<p><small>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small></p>								

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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)	
TD ↑		4,862,237	08/29/89	Morozumi				
		4,888,305	12/19/89	Yamazaki et al.				
		4,891,330	01/02/90	Guha et al.				
		4,897,360	01/30/90	Guckel et al.				
		4,938,565	07/03/90	Ichikawa				
		4,949,141	08/14/90	Busta				
		4,959,700	09/25/90	Yamazaki				
		4,969,025	11/06/90	Yamamoto et al.				
		4,969,031	11/06/90	Kobayashi et al.				
		4,986,213	01/22/91	Yamazaki et al.				
TD		5,003,356	03/26/91	Wakai et al.				
<b>FOREIGN PATENT DOCUMENTS</b>								
		Document Number	Date	Country	Class	Subclass	Translation Yes No	
TD 		2-103925	04/17/90	Japan			Abst.	
		2-188723	07/24/90	Japan			Abst.	
		2-210330	08/21/90	Japan			Abst.	
		2-234134	09/17/90	Japan			Full	
TD		49-77537	07/26/74	Japan				X
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
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TD		5,012,228	04/30/91	Masuda et al.			
		5,028,122	07/02/91	Hamada et al.			
		5,042,918	08/27/91	Suzuki			
		5,051,570	09/24/91	Tsujikawa et al.			
		5,055,899	10/08/91	Wakai et al.			
		5,056,895	10/15/91	Kahn			
		5,058,995	10/91	Plus			
		5,077,223	12/31/91	Yamazaki			
		5,084,905	01/28/92	Sasaki et al.			
		5,132,754	07/21/92	Serikawa etl.			
TD		5,132,821	07/21/92	Nicholas			
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
TD		55-32026	03/06/80	Japan			Full
		58-27365	02/18/93	Japan			Full
		64-68724	03/14/89	Japan			Abst.
		64-68728	03/14/89	Japan			Abst.
TD		53-144297	12/16/78	Japan			Abst.
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)							
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
TD		5,182,620	01/26/93	Shimada et al.			
		5,250,818	10/05/93	Saraswat et al.			
		5,250,931	10/05/93	Misawa			
		5,339,181	08/16/94	Kim et al.			
		5,446,562	08/29/95	Sato			
		5,453,857	09/95	Takahara			
		5,459,596	10/17/95	Ueda et al			
		5,463,230	10/95	Negoto et al.			
		5,495,353	02/27/96	Yamazaki et al.			
		5,568,288	10/22/96	Yamazaki et al.			
TD		5,576,857	11/96	Takemura et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Subclass	Translation Yes      No
TD TD TD		61-141174	06/28/86	Japan			Full
		62-126677	06/08/87	Japan			Abst.
		63-100777	05/02/88	Japan			Abst.
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)							
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
TD		5,744,818	04/28/98	Yamazaki et al.			
		5,757,444	05/26/86	Takemura			
		5,784,073	07/21/98	Yamazaki et al.			
		5,828,429	10/27/98	Takemura			
		6,013,928	06/07/95	Yamazaki et al.			
		5,956,105	09/21/99	Yamazaki et al.			
		5,905,555	05/18/99	Yamazaki et al.			
		5,963,278	10/05/99	Yamazaki et al.			
		5,899,547	05/04/99	Yamazaki et al.			
		5,946,059	08/31/99	Yamazaki et al.			
		5,933,205	08/03/99	Yamazaki et al.			
TD		6,011,277	01/04/00	Yamazaki			
<b>FOREIGN PATENT DOCUMENTS</b>							
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